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सत्यमेव जयते

EXTRAORDINARY PART II—Section 3—Sub-section(i) PUBLISHED BY AUTHORITY

No. 79] NEW DELHI, SUNDAY, JUNE 1, 1958/JYAISTHA 11, 1880

MINISTRY OF STEEL, MINES AND FUEL (Department of Mines and Fuel)

NOTIFICATIONS

New Delhi the 1st June 1958/the 11th Jyaishta 1880 (Saka)

G.S.R. 436.—In exercise of the powers conferred by clause (e) of section 3 of the Mines and Minerals (Regulation and Development) Act, 1957 (67 of 1957) the Central Government hereby declares the following minerals to be minor minerals namely—

“boulder shingle, Chalcedony pebbles used for ball mill purposes only, limeshell, kankar and limestone used for lime burning, murrum brick earth, fuller's earth, bentonite road metal, ich-mattu slate and shale when used for building material”

[No MII 159(18)/54-A II]

B N RAMAN, Dy. Secy

New Delhi, the 1st June 1958

G.S.R. 437.—In exercise of the powers conferred by subsection (2) of section 16 of the Mines and Minerals (Regulation and Development) Act, 1957 (67 of 1957), the Central Government hereby makes the following further amendments to the Mining Leases (Modification of Terms) Rules, 1956, namely—

In the said Rules—

(a) in rule 2—

(i) for clause (a), the following clause shall be substituted, namely—

“(a) “Act” means the Mines and Minerals (Regulation and Development) Act, 1957 (67 of 1957);”

(ii) in clause (c)

(a) for the words “prior to the commencement of the Act” the following shall be substituted, namely—

“Before the 25th day of October, 1949”

(b) for sub clause (iv) the following sub clause shall be substituted, namely—

“(iv) any minor mineral within the meaning of clause (e) of section 3 of the Act”

(iii) for clause (f), the following clause shall be substituted namely—

“(f) “Minerals Conservation and Development Rules” means the Minerals Conservation and Development Rules, 1958 made under section 18 of the Act”.

(iv) clause (g) shall be omitted

(b) in rule 6—

(i) in subrule (1) after the words ‘into conformity with’ the words “the Act and” shall be inserted;

(ii) sub-rules (2), (3), (3A), (4), (5), (6) (7), (8) and (9) shall be omitted

(c) in rule 9, for the words beginning with "Where any modification or alteration" and ending with "adversely affected", the words "Where the area of an existing mining lease is reduced, there shall be paid to the lessee" shall be substituted.

(d) rules 14 and 18 shall be omitted.

[No. 29(42)/57-MIV.]

G.S.R. 438.—In exercise of the powers conferred by subsection (1) of section 26 of the Mines and Minerals (Regulation and Development) Act, 1957 (67 of 1957), the Central Government hereby directs that the powers exercisable by it under the proviso to subsection (1) of section 16 of the Act shall be exercisable also by the Controller of Mining Leases, Nagpur appointed under the Mining Leases (Modification of Terms) Rules, 1956.

[No. 29(10)/58 MIV-1]

G.S.R. 439.—In exercise of the powers conferred by subsection (1) of section 24 of the Mines and Minerals (Regulation and Development) Act, 1957 (67 of 1957), the Central Government hereby authorises the Controller of Mining Leases, Nagpur, appointed under the Mining Leases (Modification of Terms) Rules, 1956, to exercise, for any purpose connected with the said Rules, the powers conferred by that section.

[No. 29(10)/58 MIV 2.]

G.S.R. 440.—In exercise of the powers conferred by section 22 of the Mines and Minerals (Regulation and Development) Act, 1957 (67 of 1957), the Central Government hereby authorises the Controller of Mining Leases, Nagpur appointed under the Mining Leases (Modification of Terms) Rules, 1956 to make complaints in respect of any offence punishable under the said Rules.

[No. 29(10)/58 MIV-3.]

G.S.R. 441.—In exercise of the powers conferred by section 18 of the Mines and Minerals (Regulation and Development) Act, 1957 (67 of 1957) and in supersession of the Minerals Conservation and Development Rules, 1955, the Central Government hereby makes the following rules for the conservation and development of minerals, namely:—

THE MINERALS CONSERVATION AND DEVELOPMENT RULES, 1958

CHAPTER I

PRELIMINARY

1. Short title.—These rules may be called the Minerals Conservation and Development Rules, 1958.

2. Application.—These rules shall not apply to:—

- (i) petroleum and natural gas,
- (ii) coal,
- (iii) Minor minerals, and
- (iv) any minerals declared as prescribed substances for the purposes of the Atomic Energy Act, 1948 (XXIX of 1948).

3. Definitions.—In these rules, unless the context otherwise requires:—

- (a) "Act" means the Mines and Minerals (Regulation and Development) Act, 1957 (67 of 1957);
- (b) "agent", when used in relation to a mine, means any person, whether appointed as such or not, who acts as the representative of the owner in respect of the management of the mine or any part thereof;
- (c) "boring" or "drilling" means the penetration of alluvial material, rocks or formations by holes of relatively small diameter for studying the structure of mineral bearing formation and for drawing samples therefrom;
- (d) "development" means the driving of an opening to, or in an ore-body or seam or removing overburden of unproductive or waste materials as preparatory to mining, or stopping;
- (e) "director" means the Director of the Indian Bureau of Mines;
- (f) "form" means a form set forth in the Schedule to these rules;
- (g) "manager", when used in relation to a mine, means any person appointed by the owner or agent for the purposes of controlling, managing and directing the

operations of the mine or of any part thereof, and includes the owner or the agent if he appoints himself to be such manager under section 17 of the Mines Act, 1952 (XXXV of 1952);

- (h) "shaft" means a vertical or inclined opening giving access to and serving various levels below ground of a mine; and
- (l) "stop" means any underground excavation, other than development working made for the purpose of winning ores or minerals.

CHAPTER II

NOTICES AND RETURNS

4. Notice of Prospecting operations.—Every holder of a prospecting licence shall send to the director:—

- (a) a notice in triplicate in Form A-1, of his intention to start prospecting operations at least thirty days before the commencement of such operations; and
- (b) an intimation in triplicate in Form A-2 of the commencement of prospecting operations within seven days of such commencement.

5. Certain returns to be furnished by holders of prospecting licences.—(1) Every holder of a prospecting licence shall submit to the director a return in triplicate in Form B so as to reach him within thirty days after the expiration of one year from the commencement of the prospecting licence or the expiry of the prospecting licence, whichever is earlier.

Provided that where prospecting operations are abandoned, such returns shall be submitted to the director in the Form aforesaid within a period of thirty days from the date of such abandonment.

(2) The return shall be accompanied by a plan showing the locations of trenches, pits, shafts, underground exploratory workings, bore-holes outcrops, ore zone and geological information such as faults and folds, on a scale not less than 4" to a mile.

6. Notice of mining operations.—Every owner, agent or manager of a mine shall send to the director:—

- (a) a notice in triplicate in form C-1 of his intention to commence mining operations at least thirty days before the commencement of such operations; and
- (b) an intimation in triplicate in form C-2 of the opening of the mine within fourteen days of such opening.

7. Change in name of mine to be notified.—Every owner, agent or manager of a mine shall send a notice to the director of any change in the name of the mine within thirty days of such change.

8. Notice of transfer of prospecting licence or mining lease.—Without prejudice to the provisions of the Act or any rules made thereunder or the terms and conditions of a prospecting licence or mining lease, prohibiting or restricting the transfer of a prospecting licence or a mining lease, every holder of a prospecting licence or a mining lease who transfers or assigns his licence or lease or any right, title or interest thereunder to any other person, shall, within thirty days of the date of such transfer or assignment, send an intimation thereof in triplicate, in form D, to the director.

9. Notice of intention of abandonment of mine.—Every owner, agent or manager of a mine, who intends to abandon the mine shall send to the director a notice in triplicate so as to reach him at least thirty days before the intended date of such abandonment:—

Provided that when such abandonment takes place as a result of the occurrence of natural calamity beyond the control of such owner, agent or manager, the notice required under this rule shall be submitted to the director within a period of fifteen days of such occurrence.

10. Notice of abandonment or temporary discontinuance of work in mines.—Every owner, agent or manager of a mine, when the mine is abandoned permanently or work thereon is discontinued temporarily for more than sixty days, shall send to the director a notice in triplicate in the Form E-1 for abandonment or F-2 for temporary discontinuance, as the case may be, so as to reach him within fifteen days from the date of such abandonment or seventy-five days from the date of such temporary discontinuance.

11. Copies of plans and sections to be furnished on abandonment or temporary discontinuance of work in mines.—When any mine or part of a mine is abandoned, or work thereon is discontinued for a period exceeding one year, the owner, agent or manager of the mine shall, within three months of the date of such abandonment or within fifteen months

of the date of such discontinuance of the mining operations, send to the director, one copy each of the plans and sections on a scale not less than 1" = 100' setting forth as accurately as possible the work done on the mine upto the time of such abandonment or discontinuance, as the case may be.

Provided that if a change of ownership takes place at any time before the expiry of three months after the date of such abandonment or before the expiry of fifteen months after the date of such discontinuance, one copy each of the said plans and sections shall be submitted to the director by the owner, agent or manager showing as accurately as possible the work done on the mine at the time of the abandonment or discontinuance, as the case may be, within thirty days of the date of such change of ownership.

12. Notice of reopening a mine.—Every owner, agent or manager of a mine shall send to the director:—

- (a) before a mine is reopened after abandonment or discontinuance, a notice in triplicate in Form F-1 at least thirty days before the date of reopening,
- (b) an intimation in triplicate in Form F-2 within fourteen days of reopening of the mine.

13. Notice of stoping of vein etc.—(1) Every owner, agent or manager of a mine shall send to the director a notice in triplicate in Form G intimating his intention to commence the stoping of any vein, lode reef or mineral deposit, so as to reach the director at least forty-five days before the date of commencement of such operations. Such notice shall be accompanied by plans and sections on a scale of not less than 1" = 100' showing the details of the block proposed to be stoped, the manner of stoping and the mineralised and barren zones.

(2) The director or an officer duly authorised by him in this behalf may by order in writing made before the proposed date of commencement of stoping operations prohibit the stoping or allow it to be done under such conditions as may be specified in the order.

14. Annual and monthly returns by owners etc. of mines.—Every owner, agent or manager of a mine shall submit to the director, returns in respect of each individual mine in triplicate in the forms and within the time specified in respect of every such return in the following clauses namely:—

- (a) an annual return:—
 - (i) in Form H-1 in respect of iron ore;
 - (ii) in Form H-2 in respect of manganese ore;
 - (iii) in Form H-3 in respect of lead, zinc, copper and pyrites;
 - (iv) in Form H-4 in respect of metallic minerals other than iron-ore, manganese ore, lead, zinc, copper, and pyrites;
 - (v) in Form H-5 in respect of mica;
 - (vi) in Form H-6 in respect of precious and semi-precious stones; and
 - (vii) in Form H-7 in respect of non-metallic minerals other than mica and precious and semi-precious stones.
- (b) a monthly returns:—
 - (i) in Form I in respect of iron ore;
 - (ii) in Form J in respect of manganese ore;
 - (iii) in Form K in respect of mica; and
 - (iv) in Form L in respect of all minerals except from ore, manganese ore and mica.

15. Notice of certain appointments.—Every owner of a mine or the holder of a prospecting licence shall, when any appointment is made of an agent or manager or mining engineer or geologist incharge, or when any change occurs in the address of such agent, manager or mining engineer or geologist incharge, send an intimation of such appointment or change of address and the date thereof, to the director within thirty days of the date of such appointment or change of address.

16. Copies of notices and returns to be maintained.—Every owner, agent or manager of a mine or the holder of prospecting licence shall maintain copies of all notices and returns submitted to the director under these rules, at an office established in the area where mining or prospecting operations are carried on.

CHAPTER III

SINKING SHAFTS AND NEW BORE HOLES

17. Notice of certain mining operations.—Every owner, agent or manager of a mine or the holder of a prospecting licence shall send intimation in triplicate in Form M to the director, within fifteen days after the commencement of any of the following mining operations, that is to say,

- (a) the sinking of a trial shaft or bore hole to depth exceeding 50' from the surface; or
- (b) the extension of an existing shaft or bore-holes to a depth exceeding 50'; or
- (c) the sinking of a new shaft or bore-hole commencing from underground working.

18. Record of shafts and bore-holes.—Every owner, agent or manager of a mine or the holder of a prospecting licence shall keep a record in Form N of all shafts or bore-holes exceeding 50' in depth and shall retain all records and samples of the strata passed through for a period of not less than six months after the completion of the work or abandonment thereof.

19. Preservation of cores etc.—Every owner, agent or manager of a mine or the holder of a prospecting licence shall preserve intact all cores and specimens of different types of rocks and mineral obtained during drilling or sinking operations, and arrange for them to be laid out in serial order with identification marks, showing the progressive depths at which they were obtained. Such specimens shall not be broken except for the purpose of analysis in which case, representative samples of the specimens so broken will be preserved. Such cores and specimens shall be preserved for a period of not less than six months from the date of the completion of drilling or sinking operations. The director may by order in writing require the cores or specimens of specific bore-holes or shafts to be preserved for any specified period or relax the provisions of this rule to such extent as he may deem fit.

20. Transfer of records to transferees.—When the ownership of a prospecting licence or a mining lease is transferred at any time during the period when the operation of sinking a shaft or bore-hole is in progress or within six months after the completion of sinking, drilling or boring operations, all records, specimens, cores and fragment of rocks, obtained during sinking, shall be transferred by the transferor to the transferee and thereupon it shall be the duty of the transferee, his agent or manager to comply with all the requirements of rules, 17, 18 and 19.

21. Employment of geologist and mining engineer.—For the purpose of carrying out prospecting and mining operations in accordance with the approved practice, every holder of a prospecting licence or a mining lease shall employ a whole-time or a part-time geologist or mining engineers possessing the qualifications detailed below:—

Geologist:—A Diploma in Geology from the Indian School of Mines and Applied Geology, Dhanbad, or a M. Sc. or B. Sc. (Hons.) (3 years degree) in Geology from any recognised University.

Mining Engineer.—A Diploma in Mining Engineering from the Indian School of Mines and Applied Geology, Dhanbad, or a degree in Mining Engineering from any recognised University.

22. Facilities for training of students.—(1) Every owner, agent or manager of a mine shall permit students of mining and geological institutions approved by the Central Government to acquire practical training of the mines and plant operated by them and provide all necessary facilities required for the training of such students.

(2) Applications for training from students of institutions teaching mining or geology should be forwarded to the owner, agent, or manager of a mine through the Principal or Head of the institutions. Cases of refusal to provide facilities for practical training by any owner, agent or manager of a mine should be referred to the director.

CHAPTER IV

EXAMINATION OF MINERALS & ISSUING OF DIRECTIONS

23. Power of director to issue directives.—Every owner, agent or manager of a mine shall comply with such directions, being directions for the purposes of providing for the conservation and systematic development of minerals, as the director may, from time to time by general or special order issued with the previous approval of the Central Government given in consultation with the State Governments concerned.

24. Copy of scheme of development of mines to be furnished.—Every owner, agent or manager of mine shall, on a requisition made in this behalf by the director, or any other

officer authorised by him in this behalf furnish to him within such time as may be specified in the requisition, a statement showing the broad features of the scheme of development of the mine, together with the requisite plan and section.

25. **Examination of mineral deposits and taking of samples.**—The director or any officer duly authorised by the Government to enter and inspect a mine, may examine any mineral deposit in any area under prospecting licence or mining lease and take samples therefrom at any time for the purposes of these rules.

CHAPTER V

REVISION

26. **Revision.**—(1) Any person aggrieved by any order made or direction issued by the director under these rules, may, within thirty days of the communication of such order or direction, apply to the Central Government for a revision of the order or direction, provided that any such application may be entertained after the said period of thirty days if the applicant satisfies the Central Government that he had sufficient cause for not making the application within time.

(2) On receipt of any such application under sub-rule (1), the Central Government shall refer it, for report, to a Board consisting of the following persons nominated by the Central Government, namely:—

(a) a Chairman;

(b) not more than two officials and an equal number of persons representing the owner or agents.

(3) On receipt of the report of the Board, the Central Government may confirm, modify or set aside the order or direction made or issued by the director or may pass such orders in relation to the application as it may deem fit.

27. **Penalty.**—(1) If the holder of a prospecting licence or the owner, agent or manager of a mine refuses or without lawful excuse neglects:—

(a) to give or furnish within the specified time any notice, intimation or return required by these rules or in giving such notice or intimation or furnishing such return, makes any statement which he knows to be false in any material particular, or

(b) to send to the director one copy of each of the plans and sections as required by rule 11, or

(c) to maintain records and preserve cores and samples as required by rules 18, 19 or 20 or to employ whole-time or a part-time geologist or a mining engineer as required by rule 21, or

(d) to allow the director or any authorised person to examine any mineral deposits or to take sample therefrom as provided in rule 25

he shall be punishable with imprisonment which may extend to six months or with fine which may extend to one thousand rupees or with both and in the case of a continuing contravention, with an additional fine which may extend to one hundred rupees for every day during which such contravention continues after conviction for the first such contravention.

(2) If any owner, agent or manager of a mine refuses or without lawful excuse neglects to comply with any direction issued by the director under rule 23 or any requisition made under rule 24, he shall be punishable with imprisonment which may extend to six months or with fine which may extend to one thousand rupees or with both and in the case of a continuing contravention, with an additional fine which may extend to one hundred rupees for every day during which such contravention continues after conviction for the first such contravention.

[No. 173/54/58-MIII.]

K. N. RAJAGOPALAN, Under Secy.

THE SCHEDULE

[See Rule 3 (1)]

FORM A 1

(See Rule 4)

Notice of commencement of prospecting operations in respect of
(name of mineral or minerals)

IMPORTANT

Notice in this Form shall be sent in triplicate at least 30 days before the commencement of prospecting operations

To
The Director,
Indian Bureau of Mines,
New Delhi

- 1 Name of Licensee ...
- 2 Address of Licensee
- 3 Number of Prospecting License
(as given by the State Government)
- 4 Date of grant of license
- 5 Date of execution of the prospecting license .
- 6 Period of license
- 7 Area under license
- 8 Location of the area
 - (i) Village .. .
 - (ii) Post office .
 - (iii) Police Station . . .
 - (iv) District
 - (v) State
 - (vi) Nearest railway station or steamer ghat and the distance therefrom
 - (vii) Means of conveyance from the railway station or steamer ghat to the prospect
 - (viii) Nearest Dak Bungalow
- 9 Nature of prospecting operations conducted or proposed to be conducted (Give details of drilling, trenching, pitting etc and a description of mineral outcrops etc)
- 10 Name and qualifications of the Geologist or Mining Engineer incharge of the operations

I declare that it is intended to commence prospecting operations within 30 days from the date of submission of this form

Signature
(Full name of the Signatory)
Designation
and
Address
Date of despatch

FORM A 2

(See Rule 4)

Intimation of commencement of prospecting operations in respect of
(name of mineral or minerals)

IMPORTANT

Intimation in this Form shall be sent in triplicate within seven days of the commencement of the prospecting operations

To
The Director,
Indian Bureau of Mines,
New Delhi

1. Name of Licensee.....
2. Address of Licensee.....
3. Number of Prospecting License
(as given by the State Government).....
4. Date of grant of license.....
5. Date of execution of the prospecting license.....
6. Period of license.....
7. Area under license.....
8. Location of the area:
 - (i) Village.....
 - (ii) Post office.....
 - (iii) Police Station.....
 - (iv) District
 - (v) State
 - (vi) Nearest railway station or steamer ghat and the distance therefrom
 - (vii) Means of conveyance from the railway station or steamer ghat to the prospect.....
 - (viii) Nearest Dak Bungalow
9. Nature of prospecting operations conducted or proposed to be conducted: (Give details of drilling, trenching, pitting etc. and a description of mineral outcrops etc.)
10. Name and qualifications of the Geologist or Mining Engineer incharge of the operations.....
11. Date of commencement of prospecting.....

Signature.....
 (Full name of the Signatory)
 Designation.....
 and
 Address.....
 Date of despatch.....

FORM B

(See Rule 5)

Progress report of prospecting work in respect of..... (the name of the mineral/s).....for the year.....submitted to:—

IMPORTANT

This form must be returned duly filled in within 30 days after one year from the commencement of the prospecting license or expiry of the prospecting license whichever ever is earlier.

The Director,
 Indian Bureau of Mines,
 New Delhi.

1. Name of the Licensee.
2. Nature of the firm (*).
3. Address of the firm.
4. Area under lease..... (Sq. miles).
5. Location:
 - (i) Village.
 - (ii) Taluk.
 - (iii) District.
 - (iv) State.

6. Date of grant of license.
7. Period of license.
8. Prospecting work done:
 - (a) Pitting.....feet.
 - (b) Trenching.....feet.
 - (c) Drilling.....feet.
9. Nature and structure (*) of the ore body.
10. Quantity of mineral extracted.
11. Analysis of the ore or minerals.
12. If abandoned:
 - (i) Date of abandonment.
 - (ii) Reasons for abandonment.

Signature.....
 (Full name of the signatory)
 Designation.....
 and
 Address
 Date of despatch.....

•Instructions:

- (1) Under item 2 state clearly whether the firm is private limited or public limited, giving the place of registration or incorporation.
- (2) Under item 9 give a brief description of the geological formations and describe the behaviour of the ore body.

FORM C-1

(See Rule 6)

Notice of opening of a mine in respect of..... (mine or minerals).

IMPORTANT

Notice in this Form in triplicate shall be sent at least 30 days before to the commencement of mining operations.

To
 The Director,
 Indian Bureau of Mines,
 New Delhi.

Sir,

I have to furnish the following particulars:—

1. Name of mine
2. Situation of mine:
 - (i) Village
 - (ii) Post Office
 - (iii) Police Station
 - (iv) District
 - (v) State
 - (vi) Nearest Railway Station or Steamer ghat and distance therefrom.
 - (vii) Means of conveyance from Railway Station or Steamer ghat to mine.
 - (viii) Nearest Dak Bungalow or rest house.
3. Name and address of the Lessee.....
4. (a) Number of Mining Lease (as given by the State Government).....
- (b) Date of grant of the Mining Lease.....

- (c) Date of execution of the Mining Lease.....
- (d) Period of lease
- (e) Is the lease granted under Rule 61 of the Mineral Concession Rules 1949
5. Area of the lease.....
6. Name and address of previous owner if any and the date of abandonment.....
7. Name and address of the Agent and date of appointment.....
8. Name and qualifications of the Geologist or Mining Engineer-incharge of operations
9. Name, address and qualification of the Manager and the date of appointment
10. (a) No. and sizes of existing workings and their extent.....
- (b) Total footage of bore-holes if any.
11. Nature of the mineral deposit worked.....

I declare that it is intended to commence mining operations within 30 days from the date of submission of this Form.

Signature

(Full name of the signatory)

Designation.....

and

Address:

Date of despatch:.....

FORM C-2

(See Rule 6)

Intimation of opening of a mine in respect of (mine or minerals).

IMPORTANT
Intimation in this Form in triplicate shall be sent within fourteen days of commencement of mining operations.

To
The Director,
Indian Bureau of Mines,
New Delhi.

Sir,

I have to furnish the following particulars:—

1. Name of mine and data of opening/reopening:
2. Situation of mine:—
 - (i) Village
 - (ii) Post Office
 - (iii) Police Station
 - (iv) District
 - (v) State
 - (vi) Nearest Railway Station or Steamer ghat and distance therefrom
 - (vii) Means of conveyance from Railway Station or Steamer ghat to mine.
 - (viii) Nearest Dak Bungalow or rest house.
3. Name and address of the Lessee:
4. (a) Number of Mining Lease (as given by the State Government):
 - (b) Date of grant of the Mining Lease:
 - (c) Date of execution of the Mining Lease:
 - (d) Period of lease:
 - (e) Is the lease granted under Rule 61 of the Mineral Concession Rules 1949:

5. Area of the lease:
6. Name and address of previous owner if any and the date of abandonment:
7. Name and address of the Agent and date of appointment:
8. Name and qualifications of the Geologist or Mining Engineer-incharge of operations:
9. Name, address and qualifications of the Manager and the date of appointment:
10. (a) No. and sizes of existing workings and their extent:
(b) Total footage of bore-holes if any:
11. Nature of the mineral deposit worked:

Signature

(Full name of the signatory)

Designation and address:

Date of despatch:

FORM D

(See Rule 8)

Intimation of Transfer or Assignment.

IMPORTANT

Intimation in this Form shall be sent within 30 days of the transfer or assignment.

To
The Director,
Indian Bureau of Mines,
New Delhi.

Sir,

I have to furnish the following particulars:--

1. Name of mine, concession or lease.
2. Situation:
 - (i) Village
 - (ii) Post Office
 - (iii) Police Station
 - (iv) District
 - (v) State
 - (vi) Nearest Railway Station or Steamer ghat and distance therefrom.
 - (vii) Means of conveyance from Railway Station or Steamer ghat to mine.
 - (viii) Nearest Dak Bungalow or rest house.
3. Name and address of the Lessee.
4. Date of grant and period of lease.
5. Area of the lease.
6. Name and address of the Transferee or Assignee.

Signature

(Full name of the signatory)

Designation:

Address:

Date of despatch:

FORM 'E' 1

(See Rule 10)

Notice of the abandonment (i.e. permanent closure) of mining operation in respect of.....
of mineral) for (Name of mine)

IMPORTANT

Notice in this Form shall be sent so as to reach the Director, Indian Bureau of Mines within fifteen days of such abandonment.

To

The Director,
Indian Bureau of Mines,
New Delhi.

Sir,

I have to furnish the following particulars:—

1. Name of mine and the date of opening or re-opening.
2. Situation:
 - (i) Village
 - (ii) Post Office
 - (iii) Police Station
 - (iv) District
 - (v) State
 - (vi) Nearest Railway Station or Steamer ghat and distance therefrom.
3. Name and address of the lessee.
4. Date of grant and period of lease.
5. Area of the lease.
6. Name and address of the Agent.
7. Name and address and qualifications of the Manager.
8. (a) Date of Abandonment.
 (b) Reasons for abandonment (give the full details).
 (c) Nature and disposition of the ore-body/minerals deposit in relation to existing workings.
 (d) Full description of the existing workings accompanied by plans and sections showing all the underground and/or surface workings.
 (e) Stock of mineral at mine site at the time of abandonment.

Date of despatch.

Signature

(Full name of the signatory)
Designation

Address:

FORM 'E' 2

(See Rule 10)

Notice of temporary discontinuance of mining operation in respect of
Name of mineral) for (Name of mine).

IMPORTANT

Notice in this Form shall be sent so as to reach the Director, Indian Bureau of Mines within 75 days from the date of such temporary discontinuance.

To

The Director,
Indian Bureau of Mines,
New Delhi.

Sir,

I have to furnish the following particulars:—

1. Name of mine.
2. Situation.
 - (i) Village
 - (ii) Post Office

- (iii) Police Station
- (iv) District
- (v) State
- (vi) Nearest Railway Station or Steamer ghat and distance therefrom

3. Name and address of the lessee.
4. Date of grant and period of lease.
5. Area of the lease.
6. Name and address of the Agent.
7. Name and address and qualifications of the Manager.
8. (a) Date of discontinuance.
- (b) Reasons for discontinuance.
- (c) Probable date of re-opening.

Date of despatch.

Signature:

(Full name of the signatory)

Designation:

Address:

FORM I-1

(See Rule 12)

Notice of re opening of a mine in respect of..... (name of Mines)
for..... (name of Mineral).

IMPORTANT

Notice in this Form in triplicate shall be sent at least 30 days before the date of re-opening of the mine.

To
The Director,
Indian Bureau of Mines,
New Delhi.

Sir,

I have to furnish the following particulars:—

1. Name of mine and date of first opening:
2. Situation of the mine:
 - (i) village
 - (ii) Post Office
 - (iii) Police Station
 - (iv) District
 - (v) State
 - (vi) Nearest railway station or Steamer ghat and distance therefrom.
3. Name and address of the lessee:
4. Date of grant of the lease:
5. Area of the lease:
6. Name and address of the previous owner if any and the date on which he abandoned:
7. Name and address of the agent:
8. Name, address and qualifications of the manager:
9. Date on which it was abandoned or discontinued prior to re-opening:
10. Date of re-opening:
11. No. and sizes of existing workings and their extent:

Signature:

(Full name of the signatory)

Designation:

Address:

Date of despatch:

FORM F-2

(See Rule 12)

Intimation of re-opening of a mine in respect of..... (Name of Mines)
for..... (name of Mineral)

IMPORTANT

Intimation in this Form
in triplicate shall be sent
within fourteen days of
the re-opening of mine.

To

The Director,
Indian Bureau of Mines,
New Delhi.

Sir,

I have to furnish the following particulars:—

1. Name of mine and date of first opening:
2. Situation of the mine:
 - (i) village
 - (ii) Post Office
 - (iii) Police Station
 - (iv) District
 - (v) State
 - (vi) Nearest railway station or steamer ghat and distance therefrom.
3. Name and address of the lessee:
4. Date of grant of the lease:
5. Area of the lease:
6. Name and address of the previous owner if any and the date on which he abandoned:
7. Name and address of the agent:
8. Name, address and qualifications of the manager:
9. Date on which it was abandoned or discontinued prior to re-opening:
10. Date of re-opening:
11. No. and sizes of existing workings and their extent:

Signature:

(Full name of the signatory)

Designation and address:

Date of despatch:

FORM G

(See Rule 13)

Notice of commencement of stoping in respect of..... (mineral or minerals).

IMPORTANT

Notice in this Form shall
be sent at least 45 days
before the commencement
of stoping operations.

To

The Director,
Indian Bureau of Mines,
New Delhi.

Sir,

I have to furnish the following particulars:—

Notice of commencement of stoping in respect of..... (mineral or minerals).

1. Name of mine:
2. Situation of mine:
 - (i) village
 - (ii) Post Office
 - (iii) Police Station

- (iv) District
- (v) State
- (vi) Nearest railway station or steamer ghat and distance therefrom.
- (vii) Means of conveyance from railway Station or Steamer ghat to mine.
- (viii) Nearest dak bungalow or rest house.

3. Name and address of the owner.
4. Name and address of agent.
5. Name, address and qualifications of manager.
6. Name and qualifications of the geologist or mining engineer incharge of operations.
7. Date of grant and period of lease.
8. Area of the lease.
9. No. of Shafts and their depth.
10. No. of levels and their extent.
11. Total footage of underground development.
12. Thickness of mineral vein or ore body developed.
13. No. and sizes of blocks of ore body ready for stoping and their levels.
14. Approximate tonnage of ore blocked out.
15. Level or levels at which stoping is contemplated.
16. Method of stoping contemplated.
17. The rate of progress in stoping contemplated.
18. Date on which it is proposed to commence stoping.

Signature:

(Full name of the signatory)

Designation and address:

Date of despatch:

NOTE.—Information in respect of items 10—15 should be accompanied by plans and sections showing the relative positions with respect to the mine.

FORM H-1

IRON ORE

Annual Return in respect of IRON ORE for the year.....Submitted to:

IMPORTANT

This form must be returned before the first March, each year duly filled in.

The Director,
Indian Bureau of Mines.
Ministry of Steel, Mines and Fuel,
New Delhi.

PART I

1. Name of the mine:
2. Location:
 - (a) VillagePost Office
 - (b) District.....Taluk or Thana
 - (c) Division.....State
 - (d) Railway Station of ore despatches
 - (e) Distance from the mine to the Railway Station.
 - (f) Transport charges from mine to the Railway Station (Rs. per ton)
 - (g) Modes of transport from mine to the port
 - (h) Total cost of transport from the mine to the destination (Port of export if despatched for export) per ton.
3. Name and address of the licensee or lessee.

4. (a) Name and address of the Managing Agents or Agents (if any).
(b) Name and address of the Manager.
- (c) Supervisory staff employed from time to time during the year. (Please give name, designation, numbers employed and date of employment).
5. Area under licence or lease.
6. Period of the licence or lease. Expiring on:
7. Names and locations of other mines in the vicinity having common boundary and the addresses of the mine-owners.
8. Number of days worked during the year.
9. No. of shifts per day.
10. Output per man-shift.
11. Ore reserves at the end of the year:
(a) Proved..... within a depth of
(b) Estimated..... within a depth of
12. Average No. of persons employed daily:

	<i>Males</i>	<i>Females</i>	<i>Adolescents</i>	<i>Total</i>
--	--------------	----------------	--------------------	--------------

Mining

Sorting and Grading

Transport

13. Average daily wages paid to the labour employed:—

- (i) Male
- (ii) Female
- (iii) Adolescent

14. Please indicate briefly any factors such as demand, price changes and strikes etc. which in your opinion have affected the mining operations.

PART II

Ore Containing

	Fe below 55%	Fe 55—58 %	Fe 58—60 %	Fe 60—62 %	Fe 62—65 %	Above 65%	Total
1. Stocks of iron-ore at the beginning of the year							
(a) At Mine							
(b) At Railway Station							
(c) At Port							
TOTAL							
2. Production during the year							
3. Quantity despatched during the year							
4. Stocks of iron-ore at the end of the year							
(a) At Mine							
(b) At Railway Station							
(c) At Port							
TOTAL							
5. Total production from the Mine so far							
6. Sale value per ton (Pit's mouth)							

Name of the Consignee	Grade	For Domestic consumption		For export		
		Qty.	Sale Value	Country	Qty.	F.O.B. Value

7. (i) Details of despatches :

(ii) Total pit's mouth value of ore despatched during the year Rs.....

8. Average cost of production per ton Rs.....

9. Rent or Royalty paid :

(i) Yearly dead rent payable Rs.....

(ii) Royalty paid Rs.....

(iii) Arrears or outstandings, if any Rs.

10. (a) Percentage of graded (sorted) Ore to total crude ore (i.e. run-of-mine ore).....

(b) Percentage of graded (sorted) Ore to the total amount of material excavated.....

11. Production capacity of the mine, if any.....

N.B.—Part III.—Same as appended to the annual return of iron-ore.

PART III

1. Operations :—

(i) Depth of the mine (in case of more than one pit, give depth of all the pits giving names or number of each pit).....

(ii) Extent of the workings.....acres/sq. ft.

(iii) Please give brief description of the mineral treatment plant, if any (on a separate sheet).

2. Please give a brief account of the development of the mineral deposit.....

3. Capital structure:—

(i) Issued capital *Rs., £, \$

(ii) Paid-up capital *Rs., £, \$

(iii) Fixed capital:—

(a) Value of Building and Land Rs.....

(b) Value of plant, machinery, tools and other equipment Rs.....

(c) Value of other fixed assets including such items as furniture, fixtures and fittings, railway sidings, bridges etc. Rs.....

*Strike off that which is not applicable.

	In use		Reserves	
	No. of units	Total H.P.	No. of units	Total H.P.
4. Machinery at the mine :—				
Boller
Steam Turbines
Diesel & Oil Engines
Air Compressors
Pumps
Drills
Bulldozers
Power shovels
Trucks
Dumpers

5. Cost of operations per ton or unit weight.

Item	Cost Rs.
(i) Development & Exploration	.
(ii) Mining	.
(iii) Milling & Concentration	.
(iv) Transport & handling	.
(v) General (Marketing & administration)	.
(vi) Depreciation	.
(vii) Taxes and cesses	.
GRAND TOTAL	.

NOTE.—Information under this item will be kept confidential if required. The Government will, however, be free to utilise the information for general studies without revealing the identity or working cost of a firm.

6. Current investment on building and plant :

(i) Cost of equipment and plant purchased :—

Description	Purchase price (Rs.)
(a) New	.
(b) Second-hand	.

(ii) Value of equipment and plant sold :—

Description		Value (Rs.)
(iii) Cost of erection of buildings and installation of Machinery :—		
(a) Building		
(i) Factory	Rs.	
(ii) Residential	Rs.	
(iii) Others	Rs.	
(b) Machinery	Rs.	
(iv) Maintenance and repairs.		
(a) Buildings		
(i) Factory	Rs.	
(ii) Residential	Rs.	
(iii) Others	Rs.	
(b) Machinery	Rs.	
(7) Machinery and their aggregate H.P.		

		Electrical		Non-Electrical	
		In use	Others	In use	Others
		No. of units	Units of Total H.P.	No. of units	Units of Total H.P.
Below ground .	Traction				
	Winding				
	Ventilation				
	Haulage				
	Pumping				
	(Beneficiation process adopted if any.)				
	Workshop				
Below ground including open cast.	Misc. (Specify)				
	Haulage				
	Ventilation				
	Pumping				
	Traction				
	Drilling				
	Conveyors				
	Earthmoving machinery				
	Misc. (Specify)				

8. (a) Fuel and Electricity used during the year.

	Quantity	Value (Rs.)
1. Bituminous Coal	tons	
2. Semi-antracitic	tons.	
3. Lignite	tons.	
4. Kerosene or Petrol	Imp. Gals.	
5. Diesel oil	Imp. Gals.	
6. Wood	Mds.	

7. Gas	:	:	:	:	:	M.Cu. ft.	Quantity	Value (Rs.)
8. Other fuels	:	:	:	:	:			
9. *Electricity :								
(i) Generated		K.W.H.						
(ii) Purchased		K.W.H.						
(iii) Used		K.W.H.						
(iv) Sold		K.W.H.						

*Please specify the system, voltage, periodicity and source of supply.

b. Cost of supplies purchased :

Description	Quantity	Purchase price (Rs.)

9. General geology and nature of occurrence of the mineral deposit worked.

10. Notes on other known mineral deposits in the lease area.

11. Mining methods adopted.

12. Please furnish plans and section as prepared and brought upto date required under regulation 61 of the Indian Metalliferous legislation.

13. Accidents :

(a)

Causes	Fatal		Serious		Minor	
	No. of accident	Persons involved	No. of accidents	Persons involved	No. of accidents	Persons involved
(i) Outbreak of fire						
(ii) Explosions						
(iii) Others						

(b) Total compensation paid Rs.

14. Plans if any for the coming year in respect of exploratory development and further proving work, production schedule, replacements and expansion of machinery and equipment etc. (Please specify by a separate annexure).

15. General Remarks.

I certify that the information given above is correct.

Signature

Designation.....

Date of despatch.....

FORM H-2

MANGANESE ORE

Annual return in respect of MANGANESE ORE for the year

Submitted to:—

IMPORTANT
This form must be returned
before the 1st March, each
year, duly filled in.

The Director,
Indian Bureau of Mines,
New Delhi.

PART I

1. Name of the mine.

2. Location:—

(a) Village

Post Office

(b) District

Taluk or Thana

(c) Division

State

(d) Railway Station of ore despatches

(e) Distance from the mine to the Railway Station.

(f) Transport charges from mine to the Railway Station (Rs. per ton).

(g) Modes of transport from the mine to the port.

(h) Total cost of transport from the mine to the destination (Port of export if despatched for export), per ton.

3. Name and address of the licensee or lessee.

4. (a) Name and address of the managing agent or gent (if any).

(b) Name and address of the manager.

(c) Supervisory staff employed from time to time during the year. (Please give name, designation, numbers employed and date of employment).

5. Area under licence or lease.

6. Period of licence or lease.

Expiring on

7. Names and locations of other mines in the vicinity having common boundary and the addresses of the mine owners.

8. No. of days worked during the year.

9. No. of shifts per day.

10. Output per man shift.

11. Ore reserves at the end of the year.

(a) Proved

within a depth of

(b) Estimated

within a depth of

12. Average number of persons employed daily:

Males

Females

Adolescents

Total

Mining

Sorting and Grading

Transport

13. Average daily wages paid to the labour employed:

(i) Male

(ii) Female

(iii) Adolescent

14. Please indicate briefly any factors such as demand, price changes and strikes, etc., which in your opinion have affected the mining operations.

7. (i) Details of despatches :

Name of the Consignee	Grade	For domestic consumption		For export		
		Qty.	Sale Value	Country	Qty.	F. O. B. Value

(ii) Total pit's mouth value of the ore despatched Rs.

8. Average cost of production per ton Rs.

9. Rent or Royalty paid :

(i) Yearly dead-rent payable Rs.

(ii) Royalty paid Rs.

(iii) Arrears or out-standings, if any Rs.

10. (a) Percentage of graded (sorted) ore to total crude ore (i.e. run-of-mine ore).....

(b) Percentage of graded (sorted) ore to total quantity of material excavated.....

11. Tonnage extracted during the year from :

(a) Development

(b) Stopping

12. Production capacity of the mine, if any.....

N.B.—PART III—Same as appended to the Annual Return of 'Iron ore'.

FORM H-3

Annual return in respect of Copper, lead and zinc ore and pyrite for the year.....

PART I

IMPORTANT

This form must be returned
before the 1st March, each year
duly filled in.

Submitted to:—
The Director,
Indian Bureau of Mines,
New Delhi.

1. Name of the mine

2. Location:—

(a) Village Post Office

(b) Taluk or Thana District

(c) Division State

(d) Railway Station of ore despatches

(e) Distance from the mine to the Railway Station.....

(f) Transport charges from mine to the railway station (Rs. per ton)

(g) Modes of transport from mine to the port

(h) Total cost of production from the mine to the destination (Port of export if despatched for export) per ton Rs.

3. Name and address of the licensee or lessee.

4. (a) Name and address of the managing agents or agent (if any).

(b) Name and address of the manager

(c) Supervisory staff employed from time to time during the year. (Please give name, designation, numbers employed and date of employment

5. Area under licence or lease
6. Period of the licence or lease expiring on
7. Name and locations of other mines in the vicinity having common boundary and addresses of the mine owners
8. No. of days worked during the year
9. No. of shifts per day
10. Output per man-shift
11. Ore reserves at the end of the year.
 - (a) (i) Proved within a depth of
 - (ii) Average metal/s content
 - (b) Estimated within a depth of average metal/s content
12. Average number of persons employed daily:

	Males	Females	Adolescents	Total
(i) Surface.				
(ii) Underground.				

13. Average daily wages paid to the labourer employed.
 - (i) Male Rs.
 - (ii) Female Rs.
 - (iii) Adolescent Rs.
14. Please indicate briefly any factors such as demand, price changes, and strikes etc. which in your opinion have affected the mining operations.

PART II

1. Stocks at the beginning of the year :

	At Mine	At Railway Station	At Port
(a) Ore	.	.	.
(b) Concentrates (Specify)	.	.	.
(c) Metal (Specify)	.	.	.

2. (a) Ore produced
 - (i) From underground workings to ns.
 - (ii) From open-cast workings tons.
 - Total of (i) and (ii) tons.
 - Average analysis
- (b) Recoveries at the mill/plant.

Qty. (Tons or Cwts.)

Opening stocks of ore at mill/Plant	Ore received from the mine	Ore treated	Concentrates obtained			Tailings.	
			Qty.	Value	Analysis	Qty.	Analysis
1	2	3	4	5	6	7	8

Recoveries

Metals (Specify)				Sulphur or Sulphuric and produced	
Qty.	Value	Qty.	Value	Qty	Value
9	10	11	12	13	14

(c) Total production from the mine so far.

Quantity (Tons or Cwts.).

- (i) Ore
(ii) Concentrates
(iii) Metal (Specify)

3. Details of despatches.

	Name of Consignee	Average Analysis	For domestic consumption	For exports	F.O.B. Value
				(Country) Qty. Cwts.	
Concentrates					
Metals					

4. Stocks at the end of year, (Tons or Cwts.)

	At Mine	At Railway Station (Port)
(i) Ore		
(ii) Concentrates (Specify)		
(iii) Metals (Specify)		

5. (a) Value per ton (Rs.)

	Pit head	F.O.R. (Rly. Stn.)	F.O.B. (Port.)
(i) Ore			
(ii) Concentrates			
(iii) Metals			

(b) Total Pit's mouth value of ore despatched during the year Rs

6. Average Cost of Production per ton (Rs.).....

7. Rent and or Royalty paid

- (i) Yearly dead rent payable. Rupees.....
(ii) Royalty paid Rupees
(iii) Arrears or outstandings if any Rupees.....

8. (a) Ratio of concentration i.e. No. of tons of ore milled per ton of concentrates.

(b) Recovery.....

9. (a) Production capacity of the mine if any.....

(b) Production capacity of the mill/plant

10. Tonnage extracted during the year from

() Development

(b) Stopping

N. B. PART III—Same as appended for the Annual return of iron-ore.

FORM H-4

METALLIC MINERALS (OTHER THAN IRON AND MANGANESE ORES AND SULPHIDE MINERALS)
Annual return in respect of metallic minerals other than iron ore manganese ore, lead & zinc ores and pyrites for the year

PART I

IMPORTANT

This form must be returned
before the 1st March, each year
duly filled in.

Submitted to:—
The Director,
Indian Bureau of Mines,
New Delhi.

1. Name of the mine
2. Location:
 - (a) Village Post Office
 - (b) Taluk or Thana District
 - (c) Division State
 - (d) Railway Station of ore despatches
 - (e) Distance from the mine to the railway Station
 - (f) Transport charges from mine to the railway station (Rs per ton)
 - (g) Modes of transport from mine to the port
 - (h) Total cost of production from the mine to the destination (Port of export if despatched for export) per ton Rs.
3. Name and address of the licensee or lessee.
4. (a) Name and address of the managing agents or agent (if any)
(b) Name and address of the manager
(c) Supervisory staff employed from time to time during the year. (Please give name, designations numbers employed and date of employment)
5. Area under licence or lease
6. Period of the licence or lease expiring on
7. Name and locations of other mines in the vicinity having common boundary and addresses of the mine owners
8. No. of days worked during the year
9. No. of shifts per day
10. Output per man shift
11. Ore reserves at the end of the year.
 - (a) (i) Proved within a depth of
 - (ii) Average metal/s content
 - (b) Estimated with a depth of
average metal/s content
12. Average number of persons employed daily.

	Males	Females	Adolescents	Total
(i) Surface.				
(ii) Underground.				
13. Average daily wages paid to the labour employed.
 - (i) Male Rs.
 - (ii) Female Rs.
 - (iii) Adolescent Rs.
14. Please indicate briefly any factors such as demand, price changes and strikes etc. which in your opinion have affected the mining operations.

PART II

1. Stocks at the beginning of the year.

	At Mine	At Rail- way Station	At Port
(a) Ore.....Tons	.	.	.
(b) Concentrates (Specify)	.	.	.
(c) Metal (Specify)	.	.	.

2. (a) Ore produced

(i) From underground workingstons

(ii) From open cast workingstons

Total of (i) and (ii).....tons

Average Analysis

(b) Recoveries at the mill-plant.

Opening stocks of ore at mill/plant Tons or cwts.	Ore re- ceived from the mine Tons or cwts.	Ore treated Tons or cwts.	Concentrates ob- tained			Tailings		Metals recovered (Specify)			
			Qty. Tons or cwts.	Val. Rs.	Ana- lysis	Qty. Tons or cwts.	Ana- lysis	Q y. Tons or cwts.	V. Rs.	Q. Tons or cwts.	V. Rs.

(c) Total production from the mine so far.

Average

Analysis

Qty.

Tons or Cwts.

(d) Ore

(ii) Concentrates

(iii) Metal (Specify)

3. Details of despatches

	Name of con- signee	Average Analysis	For dome- stic con- sumption Tons or cwts.	FOR exports		
				Country	Qty, Tons or cwts.	F.O.B. Value
Concentrates	.	.	.			
Metal	.	.	.			

4. Stocks at the end of year (Tons or Cwts)
- | | | | |
|------------------------|---------|--------------------|---------|
| | At Mine | At Railway Station | At Port |
| (i) Ore | | | |
| (ii) Concentrates | | | |
| (iii) Metals (Specify) | | | |
5. (i) Sale value per ton (Rs.)
- | | | | |
|--|----------|--------------------------|----------------|
| | Pit head | F. O. R.
Rly. Station | F.O.B.
Port |
| (a) Ore | | | |
| (b) Concentrates | | | |
| (c) Metals | | | |
| (ii) Total pit's mouth value of ore despatched during the year Rs..... | | | |
6. Average Cost of production per ton (Rs.).....
7. Rent and/or Royalty paid
- (i) Yearly dead rent payable. Rupees.....
- (ii) Royalty paid Rupees.....
- (iii) Arrears or outstandings if any Rupees.....
8. (a) Ratio of concentration (i.e. number of tons ore milled per ton of concentrates)
- (b) Recovery
9. (a) Production capacity of the mine if any.....
- (b) Production capacity of the mill/plant.....
10. Tonnage extracted during the year from
- (a) Development
- (b) Stoping

N.B. : PART III—Same as appended to the Annual Return of iron ore.

FORM H-5

MICA

Annual return from MICA MINES for the year

IMPORTANT

This form must be returned
before the 1st March, each year
duly filled in.

Submitted to:—
The Director,
Indian Bureau of Mines,
New Delhi.

PART I

1. Name of the mine

2. Location:—

- (a) Village Post Office
- (b) District Taluk or Thana
- (c) Division State

- (d) Railway Station of ore despatches
- (e) Distance from the mine to the railway Station
- (f) Transport charges from mine to the railway station
- (g) Modes of transport from mine to the port
- (h) Total cost of transport from the mine to the destination (Port of export if despatched for export) per cent. Rs.
3. Name and address of the licensee or lessee.
4. (a) Name and address of the managing agents or agent (if any).....
- (b) Name and address of the manager
- (c) Supervisory staff (Please give name, designation, numbers employed and date of employment)
5. Area under licence or lease
6. Period of the licence or lease expiring on
7. Name and locations of other mines in the vicinity and the address of the mine owners, and (b) mica dressing factories with the names of their owners.....
8. No. of days worked during the year
9. No. of shifts per day
10. Output per man shift
11. Reserves of crude mica:—
- (a) Proved.....within a depth of
- (b) Estimated within a depth of
12. Average number of persons employed daily.
- | | Maies | Females | Adolescent |
|----------------|-------|---------|------------|
| (a) At mines | | | |
| (b) At factory | | | |
13. Average daily wages paid to the labourer employed.
- | | | |
|------------------|---------|------------|
| (i) Male | At mine | At factory |
| (ii) Female | | |
| (iii) Adolescent | | |
14. Please indicate briefly any factors such as demand, price changes, and strikes etc. which in your opinion have affected the mining operations.

PART II

(In mds.)

	Crude Mica	S.D.C.	K.D.B.	Condenser films	Thick Chillas thin films	Others
1. Stock at the beginning of the year						
2. Production during the year						
3. Quantity sold during the year						
4. Stocks at the end of the year						
5. Total production of mica so far						
6. Sale value per md. (Pit's Mouth) [

7. (i) Details of Consignment :—

Name of the Consignee	Grade of Mica	For Domestic Consumption		For exports		
		Quantity	Sale Value	Country	Quantity	F.O.B. Value

(ii) Details of Sales :—

Please details in Sheet 'A' (for blocks) and Sheet 'B' (for Splittings)

8. Quantity of crude mica dressed during the year

9. Cost of production per md. of crude mica (Rs.).....

10. Rents or Royalty paid :—

(i) Yearly dead rent payable (Rs.).....

(ii) Royalty paid. (Rs.).....

(iii) Arrears or outstandings, if any. (Rs.).....

11. Percentage of :—

(a) Crude mica obtained to total extractions.....

(b) Dressed mica obtained to the quantity of crude mica dressed.....

12. Production capacity of the mine, if any.....

N.B.—PART III—Same as appended to the Annual Return of iron ore.

SHEET 'A'

Details of Sales During the Year.

(In Mds.)

Quality	Crude Qty. Val.	Blocks								Others (specify) Qty. Val.	Condenser Chillas Qty. Val.
		Clear Qty. Val.	Fair Qty. Val.	Stained Qty. Val.	Heavily Stained Qty. Val.	Badly stained Qty. Val.	Densely stained Qty. Val.	Black spots Qty. Val.	Copper stained Qty. Val.		
Special . . .											
No. 1 . . .											
No. 2 . . .											
No. 3 . . .											
No. 4 . . .											
N 5 . . .											
No. 6 . . .											
Others (Specify)											

SHEET 'B'

Details of sales during the year (*contd.*)

(In Mds.)

Quality	Splittings (Specify)			Others (Thick chillas, thin blocks, crude chillas etc.)		Waste Quantity value
	Book Qty. Value	Loose Qty. value	Others Qty. value	Quantity	Value	
Special	.	.	.			
No. 1	.	.	.			
No. 2	.	.	.			
No. 3	.	.	.			
No. 4	.	.	.			
No. 5	.	.	.			
No. 6	.	.	.			
Others (Specify)	.	.	.			

Annual return from MICA FACTORIES for the year.....

IMPORTANT

Please return this form duly filled in to the Director, Indian Bureau of Mines and Department of Mining & Geology of the State concerned before 1st March each year.

- Name of the factory.....
(a) If attached to any mica mine or owned by mica mine owner, give name and address.....
- Location of factory Village/Town.....District.....State.....
- Production, Despatches and Stocks:

Items	Opening stocks Cwts.	Receipts		** Issuances Cwts.	Sales* (Despatches) Cwts.	Balance Cwts.
		Self Cwts.	Purchases if any, Cwts.†			
Crude Mica	.	.	.			
S.D.B.	.	.	.			
K.D.B.	.	.	.			
Condenser film	.	.	.			
Thick Chilla Thin Film	.	.	.			
Others	.	.	.			
Waste	.	.	.			

- (i) Average daily number of labour employed : Male.....Female.....
(ii) Average daily wages paid : Male.....Female.....

Signature.....
Date of despatch.....
Name and address of the lessee.....

*Please give the details in Sheet 'A' (for blocks) and Sheet 'B' (for splittings).

**Please give the industry-wise break up.

N.B.—Sheets 'A' and 'B' as appended to the annual form for mica mines.

† Please give names and addresses of Suppliers and quantity supplied on the reverse of this form.

FORM H-6

PRECIOUS AND SEMI PRECIOUS STONES

Annual Return in respect of *Precious and Semi-precious stones for the year
 (*Please specify the name of the stone).

IMPORTANT

This form must be returned
 before the 1st March, each year
 duly filled in.

Submitted to:—
 The Director,
 Indian Bureau of Mines,
 New Delhi.

PART I

1. Name of the mine
2. Location:—
 - (a) Village Post Office
 - (b) District Taluka or Thana
 - (c) Division State
 - (d) Name of the nearest Railway Station
3. Name and address of the licensee or lessee.
4. (a) Name and address of the managing agents (if any)
 (b) Name and address of the manager
 (c) Supervisory staff employed from time to time during the year. (Please give name, designation, numbers employed and date of employment)
5. Area under licence or lease
6. Period of licence or lease expiring on
7. Names and locations of other mines in the vicinity having common boundary and the addresses of the mine owners
8. No. of days worked during the year
9. No. of shifts per day
10. Output per man shift carats
11. Reserves of rock with the content of precious stones at the end of the year.
 - (a) Proved Rock Tons Content of Precious stones Carats within a depth of
 - (b) Estimated Rock.....Tons content of precious stones.....carats, within a depth of.....
12. Average No. of persons employed daily.
 - (a) Males
 - (b) Females
 - (c) Adolescents

Total:—
13. Average daily wages paid to the labour employed.
 - (a) Male Rs.
 - (b) Female Rs.
 - (c) Adolescent Rs.
14. Please indicate briefly the factors such as demand, price changes, strikes and other economical or technical difficulties, which in your opinion have effected the mining operations.

PART II

1. Stocks at the beginning of the year:—

Gem variety		Industrial (Bort etc.)		Others (Specify)		Total	
Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)

(a) Rough and uncut stones.

(b) Cut and polished stones.

2. Stones produced during the year.

	No. of stones produced	Quantity (Carats)	Value (Rs.)
(a) Gem variety			
(b) Industrial (Bort etc.)			
(c) Others (Specify)			
TOTAL			

3. Total Production from the mine so far.

- (a) Gem variety Carats.
 (b) Industrial (Bort etc.) Carats.
 (c) Others (Specify) Carats.

4. Stones disposed of during the year:—

	Gem stone		Industrial (Bort etc.)		Others (Specify)		Total	
	Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)
(a) Rough and uncut stones.								
Inland								
Export								
TOTAL								
(b) Cut and polished stones.								
Inland								
Export								
TOTAL								

5. Stocks of stones at the end of the year:—

	Gem stones		Industrial (Bort etc.)		Others		Total	
	Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)	Qty. (Carats)	Value (Rs.)
(a) Rough and uncut								
(b) Cut & Polished								
6. Cutting, dressing and auction:—								
(a) Rough stones sent for cutting during the year							Carats.	
(b) Cut stones received during the year							Carats.	
(c) Stones auctioned during the year							Carats.	Value Rs.
7. Average sale (auction) price per carat (Rs.)								
Rough stone								
Cut or polished								
8. Cost of production per carat							Rupees	
9. Rents or Royalty paid:—								
(i) Yearly dead rent payable							Rupees	
(ii) Royalty paid							Rupees	
(iii) Arrears or outstandings, if any							Rupees	
10. Average yield of diamonds per 100 ton—rock excavated							Carats.	
11. Production capacity of the mine (if any)								

N.B.—Part III—same as appended to the Annual Returns of iron ore.

FORM H-7

Annual return in respect of NON-METALLIC MINERALS (Other than mica, and precious and semi-precious stones) for the year.....

IMPORTANT

This form must be returned before the 1st March, each year duly filled in.

Submitted to:—
The Director,
Indian Bureau of Mines,
New Delhi.

PART I

(Mineral/Ore)

1. Name of the mine
2. Location:—
 - (a) Village Post Office
 - (b) District Taluk or Thana
 - (c) Division State
 - (d) Railway Station of ore despatches
 - (e) Distance from mine to the Railway Station
 - (f) Transport charges from mine to the railway station (Rs. per ton)
 - (g) Modes of transport from mine to port
 - (h) Total cost of transport from the mine to the destination (Port of export if despatched for export) per cwt./ton.....
3. Name and address of the licensee or lessee
4. (a) Name and address of the managing agents or agent (if any)
 - (b) Name and address of the manager
 - (c) Supervisory staff employed from time to time during the year. (Please give name, designation, numbers employed and date of employment)
5. Area under licence or lease
6. Period of the licence or lease expiring on

7. Names and locations of other mines in the vicinity having common boundary and addresses of the mine owners
8. No. of days worked during the year
9. No. of shifts per day
10. Output per man shift
11. Ore reserves at the end of the year.
 - (a) Proved within a depth of
 - (b) Estimated within a depth of
12. Average number of persons employed daily.

	Males	Females	Adolescents	Total
Mining.				
Sorting & Grading.				
Transport.				
13. Average daily wages paid to the labour employed:
 - (i) Male.
 - (ii) Female.
 - (iii) Adolescent.
14. Please indicate briefly any factors such as demand, price, changes, and strikes etc. which in your opinion have affected the mining operations.

PART II

1. Stocks of the ore/mineral at the beginning of the year (Gradewise):

Grade	At mine	At Railway Station	At Port
(i)			
(ii)			
(iii)			
(iv)			
TOTAL			

2. (a) Ore/mineral produced during the year (Gradewise):

Grade	Quantity (Tons)
(i)	
(ii)	
(iii)	
(iv)	
TOTAL	

- (b) Total production from the mine so far:

Grade	Quantity (Tons)
(i)	
(ii)	
(iii)	
(iv)	
TOTAL	

3. Details of despatches:

Name of the consignee	Grade	For Domestic Consumption			For exports		
		Industry	Quantity	Sale Value	Country	Quantity	F.O.B. Value

4. Stocks of the ore at the end of the year (gradewise)

Grade	At mine	At Railway Station	At port

(i)

(ii)

(iii)

(iv)

(v)

(b) Total pit's mouth value of the ore despatched during the year.....

6. Cost of production per ton Cwt./Rs.....

7. Rents or Royalty paid:

(i) Yearly dead rent payable. Rs.....

(ii) Royalty paid. Rs.....

(iii) Arrears or outstandings, if any. Rs.....

8.(a) Percentage of graded ore to total crude ore (i.e. run-of mine ore) in mining.....

(b) Percentage of graded (sorted) ore to the total amount of material excavated.....

9. Production capacity of the mine, if any.....

N.B.—Part III—Same as appended to the Annual Return for iron ore.

Code Number

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FORM I

Monthly Return for Iron Ore for.....195 .

IMPORTANT

Please return this form duly filled in to:—

(1) The Director, Indian Bureau of Mines, New Delhi

(2) The Director of Mines and State in which the mine is located

Before the 8th of the month following the month of report.

1. Name of Mine

2. Location of Mine

(a) Village

(b) District

(c) State

3. Rents and or royalty paid during the month.

(i) Rent paid Rs.....

(ii) Last royalty paid Rs..... and date

4. Average daily number of labourers employed and wages paid.

Number Wages Paid

Male
Female
Adolescent.

5.

Railments

	Production (tons)	*Despatches from mine (Tons)	For inter- nal consump- tion (Tons)	For export (Tons)	Pit's mouth value (Rs.)	Closing stocks (Tons)
Crude-Ore Run of mine (gradewise)						
Fe content . . .						
Above 67% Fe . . .						
65-63% Fe . . .						
63-65% Fe . . .						
60-63% Fe . . .						
58-60% Fe . . .						
Others (Specify grades)						

*Either by truck, railway or by any other means of transport and for all destinations.

N.B.—Please furnish on the reverse of this form reasons for rise or fall in production, despatches, value, labour employed etc. as compared with the previous month.

Signature

Designation

Date

Name and address of lessee

.....

Code Number

FORM J

Monthly return for manganese ore for.....195 .

IMPORTANT

Please return this form duly filled in to :

(1) The Director, Indian Bureau of Mines, New
Delhi

AND

(2) The Director of Mines and Geology of the
State in which the mine is located.

Before the 8th of the month
following the month of report.

1. Name of Mine.....

2. Location of Mine :

(a) Village

(b) District

(c) State.....

3. Rents and/or royalty paid during the
month,

(i) Rent paid Rs.

(ii) Last royalty paid Rs.
and date

4. Average daily number of labourers
employed and wages paid

Number

Wages paid

Male

Female

Adolescent

5.	Production (Tons)	*Despatches from mine (Tons)	Railments		Pit's mouth value (Rs.)	Closing stocks (Tons)
			for in- ternal consump- tion (Tons)	for Export (Tons)		
Run-of mine) Processed grade-wise Manganese dioxide Above 44 per cent Mn. 44-48 per cent Mn. 42-44 per cent Mn. 38-42 per cent Mn. Others (Specify the grades)						

*Either by truck, or railway, by any other means of transport and for all destinations.

N.B.—Please furnish on the reverse of this form reasons for rise or fall in production, despatches, value, labour employed etc. as compared with the previous month.

Signature

Designation

Date

Name and address of the lessee.....

.....

Code Number

--

FORM K

Monthly return for MICA for.....195 .

IMPORTANT

Use return this form duly filled in to :

- (1) The Director, Indian Bureau of Mines, New Delhi.
- (2) The Director of Mines and Geology of the State in which the mine is located.

Before the 8th of the month following the month of report.

1. Name of Mine.....

2. Location of Mine :

- (a) Village.....
- (b) District
- (c) State

3. Rents and/or royalty paid during the month.

- (i) Rent paid Rs.
- (ii) Last royalty paid Rs.

and date

4. Average daily number of labourers employed and wages paid.

Number Wages paid

Male
Female
Adolescent

Production mds.	Total *despatches from mine mds.	Despatches		Pit's mouth Value (Rs.)	Closing stocks mds.
		to mica factories mds.	for Export mds.		
Crude mica					
S.D.B.					
K.D.B.					
Chillas					
Waste					

*Either by truck, railway or any other means of transport and for all destinations.

Note.—Please furnish on the reverse of this form reasons for rise or fall in production, despatches, value, labour employed etc. as compared with the previous month.

Signature

Designation

Date.....

Name and address of lessee.....

Code Number

FORM L

Monthly return for.....for the month of..... 195 .

IMPORTANT

Please return this form duly filled in to :

(1) The Director, Indian Bureau of Mines,
New Delhi

AND

(2) The Director of Mines and Geology of
the State in which this mine is located.

Before the 8th of the month following the month
of report

1. Name of Mine.....

2 Location of the Mine :

- (a) Village
(b) District
(c) State.....

3 Rent and/or royalty paid during the month

(i) Rent paid Rs.....

(ii) Last royalty paid Rs.....
and date.....

4. Average daily number of labourers
employed and waged paid
Number Waged paid

Male
Female
Adolescent

5.

Production (Tons)	*Despatches from mine (Tons)	Railments		Pit's mouth Value (Rs.)	Closing stocks (Tons)
		for internal consump- tion (Tons)	for export (Tons)		
Crude-Ore (Run of mine)					
Processed (grade-wise)					

*Either by truck, railway or by any other means of transport and for all destinations.

Note.—Please furnish on the reverse of this form reasons for rise or fall in production, despatches, value, labour employed etc. as compared with the previous month.

Signature

Designation

Date

Name and address of lessee

.....

FORM M

(Sec Rule 17)

Notice of sinking shafts and new bore holes in respect of..... (mineral or minerals)

IMPORTANT Notice in this Form shall be sent within 15 days after the commencement of sinking shaft or bore holes.	To The Director, Indian Bureau of Mines, New Delhi.
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Sir,

I have to furnish the following particulars:—

1. Name and Address of licensee/lessee.

2. Situation of the area:

- (i) Village.
- (ii) Post Office.
- (iii) Police Station.
- (iv) District.
- (v) State.
- (vi) Nearest railway station or steamer ghat and distance therefrom.
- (vii) Means of conveyance from railway station or steamer ghat to mine.
- (viii) Nearest dak bungalow or rest house.

3. Area of the licence/lease.

4. Date of grant and period of licence/lease. (State if the lease is granted under Rule 61 of Mineral Concession Rule, 1949).

5. Name of mine if any.

6. Depth and dimensions of the existing shaft or bore hole, if any, giving reference to plan.

7. Whether any notice in respect of any of the shafts or bore holes was already given; give reference to plan.
8. Attach plan on a scale 1" to 330' indicating the precise location of the shafts or bore holes existing and intended to be sunk or extended.
9. Purpose for which each of the shafts or bore holes is intended to be put or extended.
10. Type of new shafts and its/their dimensions contemplated.
11. Type of drill used and size of core to be obtained
12. Mineral or minerals encountered.
13. If the shafts or bore hole commences from underground the depth of the level at which the shaft or bore hole is put.
14. Name and address of agent.
15. Name and address of manager.
16. Name and address of the driller incharge of boring operation.
17. Name and qualifications of the geologist or mining engineer incharge of operations.
18. Date on which it is proposed to start sinking operations.

Signature
(Full name of the signatory).

Designation and address

Date of despatch

FORM N

(See Rule 18)

Particulars to be furnished in the journals

- (i) Full description of the site where a shaft or bore hole is sunk.

Thana Taluk.
Post Office.
Nearest Railway Station
State and District

- (ii) Full details including the shape and dimensions of shaft or bore hole.

(iii) Daily progress of work, detailing feet drilled or sunk and the length of core recovered and serial number of samples of core or fragments of rock preserved.

- (iv) Description of the soil or rock encountered in sinking the shaft or bore hole.

(v) Depths of which any mineral is struck and the thickness and disposition of such vein, mineral zone or seam.

- (vi) Results of analyses of samples, if carried out.

(vii) Special features, if any, which were met during the operation (e.g. joints, faults seepage of water etc)

- (viii) Date of commencement of the operations.

(ix) Date of completion or abandonment of the work.

- (x) If abandoned the reasons for such abandonment.

(xi) The total depth sunk.

(xii) Cost per foot of sinking the bore hole or shaft.